

Sandra Guffey

Fort Wayne, IN

Digital tools used by every student and teacher at every level from every student in the classroom to every administrator rely on generous bandwidth to function efficiently. There is a difference between functioning efficiently and functioning. ie. With 3 Mbps of bandwidth to service 414 K-12 users. A teacher can schedule a video for a certain period of the day, if only business office machines are on while this is happening and no business downloads are in progress. Large Database Application updates and/or OS update downloads can be done after hours with no one else on the system, as long as the download site does not have a download timer that cuts the download after an hour or two. With 25 Mbps, all these tasks can be accomplished simultaneously and the downloads only take 20 minutes to 3 hours. Teachers and students can utilize online resources interactively with only small hiccups and 5 - 10 minute delays when Adobe Reader updates or new apps (a few kids at a time) are downloaded as long as the coaches do not attempt to download athletic play videos during school hours... Imagine.... if we had the recommended 1 GBPS link... those operating system downloads that are taking at least an hour.... would require only 4 seconds... The database software update files would take considerably less time.... App updates during the work day and class time, while watching a variety of video tutorials in every class would occur without thought, like using a pen and paper or the chalk board happens now.....The 21st century is a Digital world, to enable our graduates to function in that Digital World, they have to learn to properly and efficiently use Digital tools that run on bandwidth and electricity!! Please fund ERate initiatives to enable school districts to provide the bandwidth and electricity needed for efficient digital instruction 24/7 whether students are at school or at home.... That means the infrastructure in and surrounding RURAL COMMUNITIES MUST be upgraded to the same levels of service as metropolitan areas who now have in excess of 15mbps per household....